



PUBLIC NOTICE

File Number: NR14MS.008

Pursuant to Chapter 0400-40-07 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Mr. Harold Collins, Site Operations Manager
O-N Minerals Company, d.b.a. Carmeuse Lime & Stone
486 Clinch Valley Road
Luttrell, TN 37779

LOCATION: Flat Creek adjacent Carmeuse Lime & Stone – Luttrell Operation
Union County, TN
Latitude: 36.2276, Longitude: -83.7146

PROJECT DESCRIPTION / PURPOSE: Carmeuse Lime & Stone has applied for a new Individual Aquatic Resource Alteration Permit for its Luttrell Operation, NPDES Permit TN0060844. The proposed activity would continue stream restoration and sinkhole repair activities previously authorized under ARAP permit NR09MS.018.

Sink holes periodically form in Flat Creek adjacent to the Carmeuse Lime & Stone – Luttrell Operation. The applicant proposes regularly inspect the stream adjacent to their operation to locate and repair sinkholes when they develop. These karst features can capture surface flow and divert the flow into the underground mine works. The applicant's proposed inspection, sinkhole repair and stream restoration activities function to maintain surface flow and prevent degradation of the stream while preventing the cessation of mining operations due to underground flooding.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the Division has determined that the proposed activities will not result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: Flat Creek is in the Holston River watershed (HUC 06010104). The affected stream reaches are currently on the 303d list of impaired waters due to *Escherichia coli*. The Division has determined that affected stream reaches in Flat Creek are not classified as Exceptional Tennessee Waters (ETW).

Stream Name / ID #: Flat Creek TN06010104 019-2000

Impacts: Sinkhole repair and stream restoration

Ecoregion: Southern Limestone/Dolomite Valleys and Low Rolling Hills, ecoregion 67F

Designated Use	Use Support	Causes
fish and aquatic life recreation industrial water supply irrigation livestock watering & wildlife	Not supporting	<i>Escherichia coli</i>

PERMIT COORDINATOR: Dan Murray

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the Division will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The Division shall consider practicable alternatives to the alteration. The Division shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the Division's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the Division hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that a hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the Division will hold a public hearing. Send all public hearing requests to the Division's address listed below and to the attention of the permit coordinator.

APPEAL: Please be advised that a petition for permit appeal may be filed, pursuant to *T.C.A. Section 69-3-105, subsection (i)* and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas. A copy of the filing should also be sent to TDEC's Office of General Counsel. The mailing addresses follow:

Tisha Calabrese Benton
Acting Technical Secretary
Board of Water Quality, Oil and Gas
William R. Snodgrass TN Tower
312 Rosa L. Parks Avenue, 12th Floor

Mr. E. Joseph Sanders, Chief Counsel
Office of General Counsel
William R. Snodgrass TN Tower
312 Rosa L. Parks Avenue, 2nd Floor
Nashville, TN 37243-1102

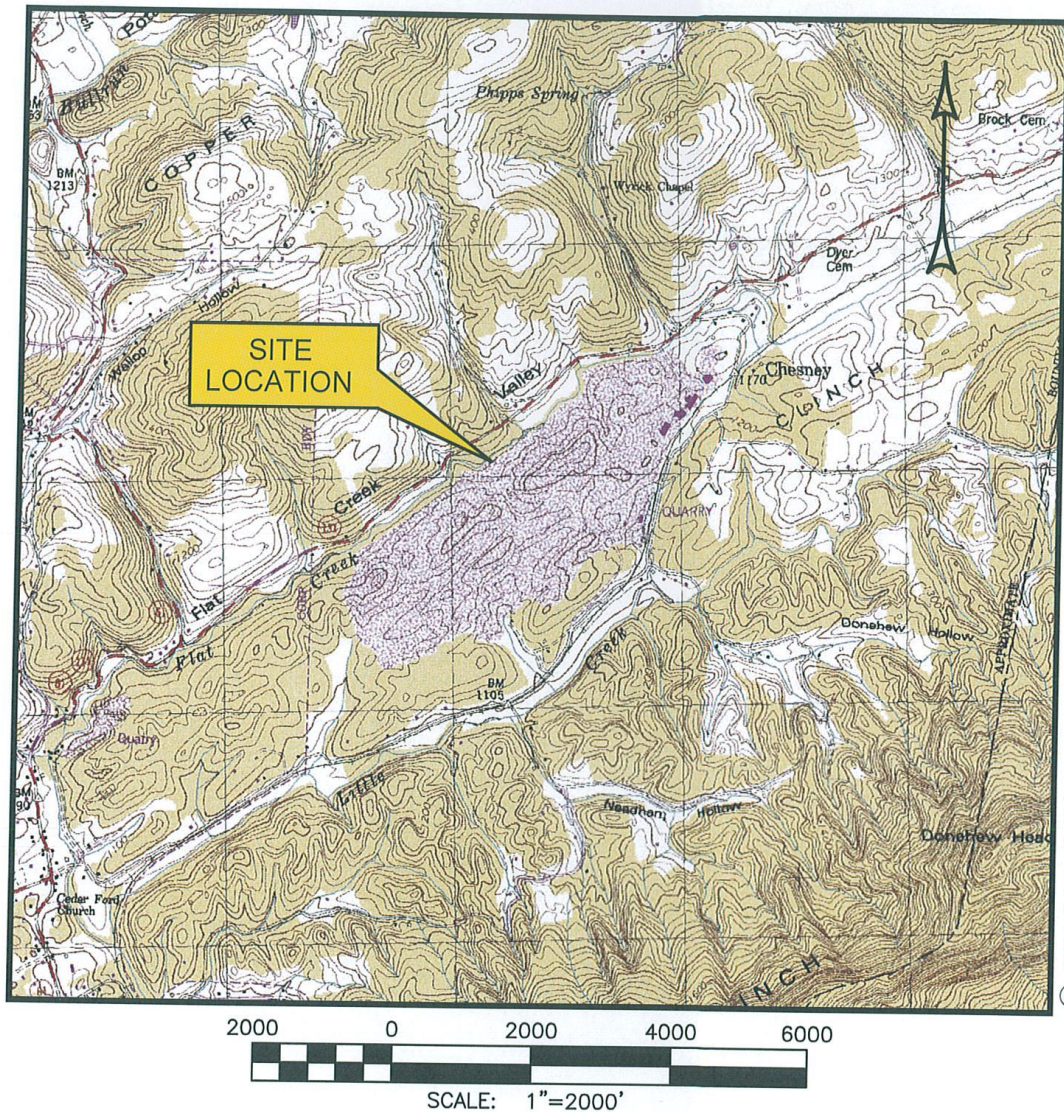
Nashville, TN 37243-1102

Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the Division's address (listed below) for review and/or copying.

Kara Blevins (865-594-5460)
Tennessee Department of Environment & Conservation
Division of Water Resources
Mining Section
3711 Middlebrook Pike
Knoxville, TN 37921-6538

AUG 21 2014



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Taken from: U.S.G.S.
7.5 Minute Series (Topographic)
Luttrell Quadrangle
1952, Photorevised 1988

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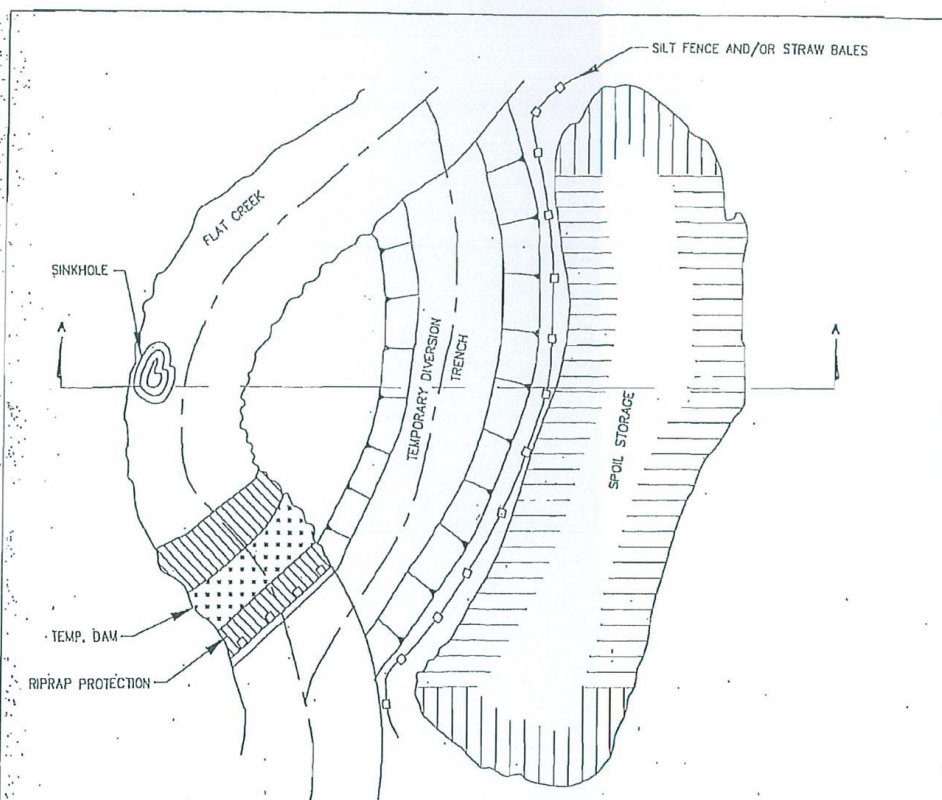
Engineering & Environmental Consulting

P.O. BOX 2968, MURFREESBORO, TN 37133-2968
(615) 895-8221 * FAX (615) 895-0632
FILE NAME: G: \Enviro\Active\968\968-20 Fig 1 Location.dwg

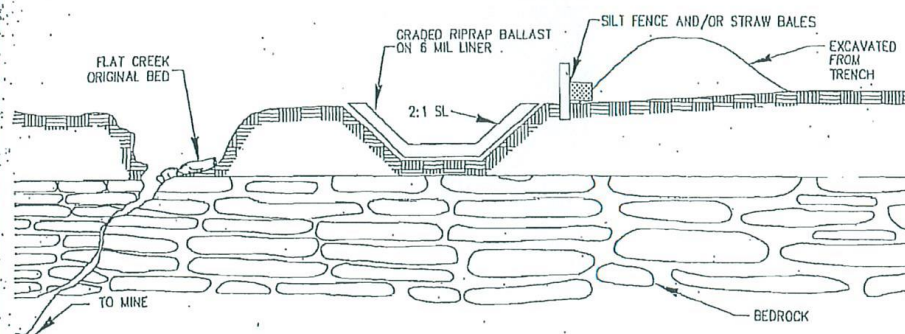
Figure 1
Site Location Map
2014 ARAP Renewal
O-N Minerals Company,
d.b.a. Carmeuse Lime & Stone Facility
Luttrell Operation
Luttrell, Union County, Tennessee
Project No. 968-20 June, 2014

ARAP NR14MS.008
Site Location Map
Union County


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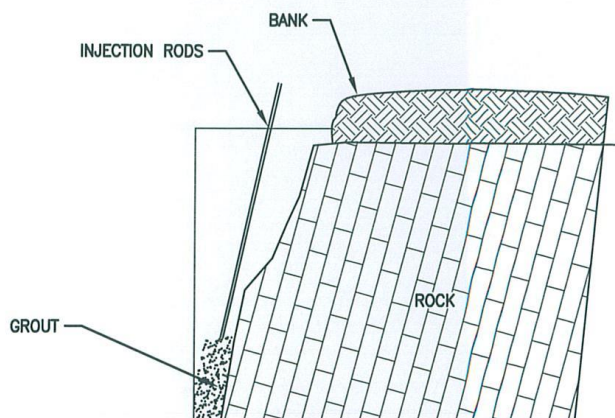
PLAN VIEW - TYPICAL DIVERSION PROJECT



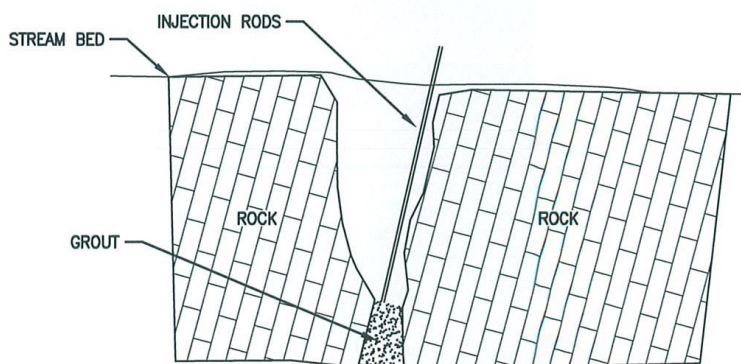
SECTION A-A

 Appalachian Technical Services, Inc. Abingdon, Virginia	GLOBAL STONE TENN LUTTRELL			
	Designed By	GSTL	Drawn By	JSM
	Project Number	196.02	Checked By	JBP
	Drawing Number	A05596	Date	1-99
DIVERSION OF STREAM			Scale	N.T.S.
			Sheet	3 of 7

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BANK
SINKHOLE AMENDMENT METHOD
N.T.S.



IN STREAM
SINKHOLE AMENDMENT METHOD
N.T.S.

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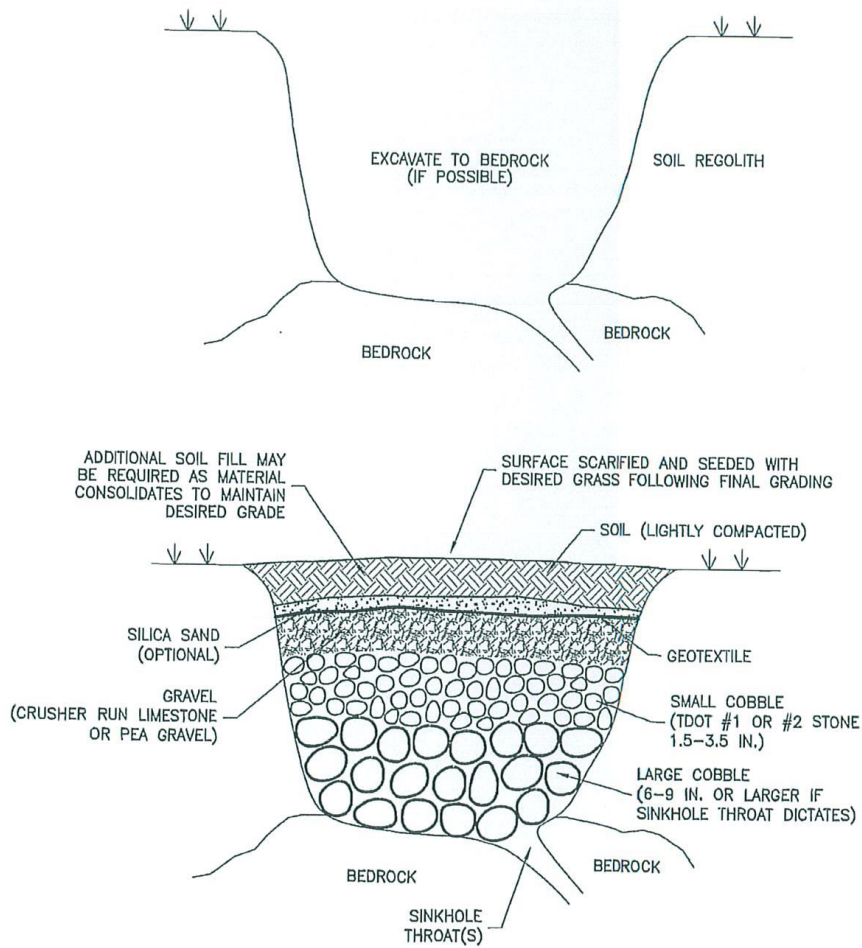
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(615) 895-8221 * FAX (615) 895-0632

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2014 ARAP Renewal
O-N Minerals Company,
d.b.a. Carmeuse Lime & Stone Facility
Luttrell Operation
Luttrell, Union County, Tennessee
Project No. 968-20 June, 2014

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GENERALIZED SINKHOLE AMENDMENT METHOD

N.T.S.

CIVIL DETAIL #EC-013



ARAP NR14MS.008
Photo Location Map
Union County

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Photo 1 – Looking upstream near entrance to Luttrell Operations N36.2285° W83.7161°.



Photo 2 – Looking downstream from previous photo.

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Photo 3 – Typical substrate observed in Flat Creek.



Photo 4 – Looking upstream at N36.2252° W83.7224°

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Photo 5 – Looking downstream from previous photo.



Photo 6 – Previously repaired sinkhole.

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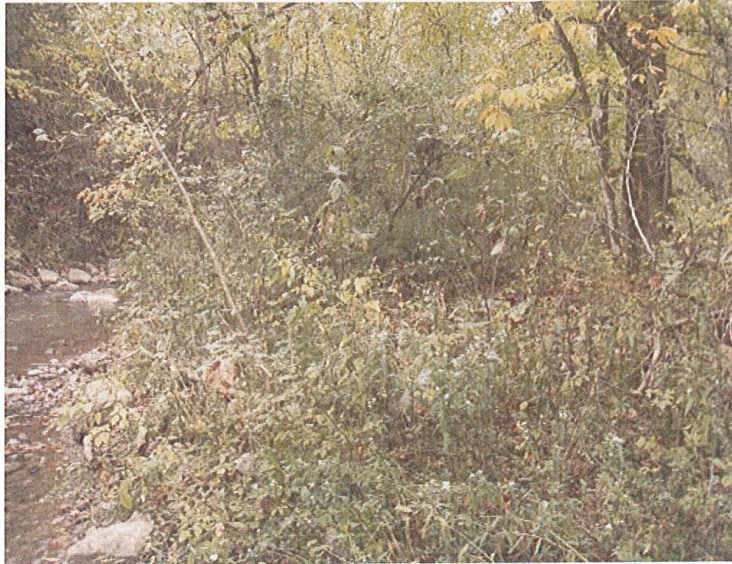


Photo 7 – Typical riparian vegetation observed for Flat Creek.



Photo 8 – Looking upstream near photos 4 and 5.



Photo 9 – More typical riparian vegetation and bank conditions.



Photo 10 – Alternate view of Photo 9 showing the stream conditions for this area.

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Photo 11 – Looking upstream at a segment that is upstream of the mine property. (This area is used as a sampling station for annual benthic surveys.) N36.2305° W83.7101°

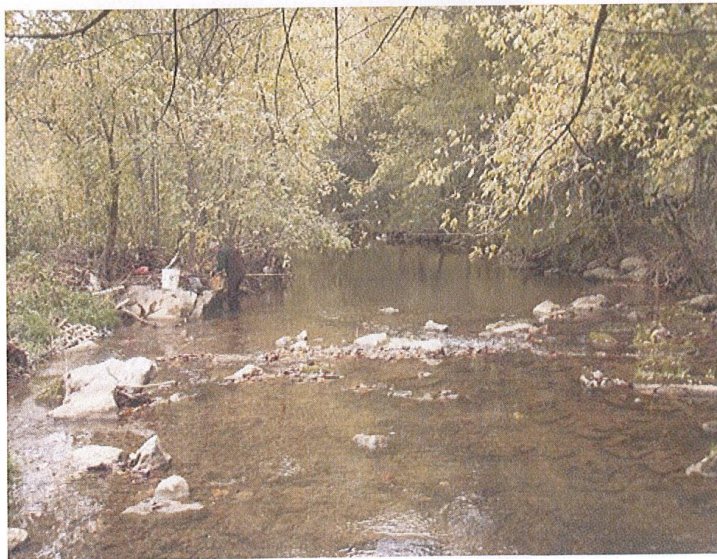


Photo 12 – Looking downstream from previous photo.